

Alcat.

alcohol, in a solvent chosen from ethers, at a temperature of between -20°C and 50°C , in the presence of sodium fluoride which is in the form of a powder whose grains have a specific surface of greater than or equal to $0.1 \text{ m}^2/\text{g}$.

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21. (New) Process according to Claim ¹⁹20, characterized in that the grains of sodium fluoride have an average diameter of less than or equal to $20 \mu\text{m}$.

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22. (New) Process according to Claim ¹⁹20, characterized in that the carbonyl fluoride is introduced gradually into the reaction medium which contains the alcohol.

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23. (New) Process according to Claim ¹⁹20, characterized in that the amount of carbonyl fluoride used is from 1.1 to 2 mol per mole of alcohol.

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24. (New) Process according to Claim ¹⁹20, characterized in that the carbonyl fluoride is obtained by reacting phosgene, diphosgene or triphosgene, or a mixture thereof, with an excess of sodium fluoride powder whose grains have a specific surface of greater than or equal to $0.1 \text{ m}^2/\text{g}$ and/or an average diameter of less than or equal to $20 \mu\text{m}$, in a solvent chosen from polar aprotic solvents, at a temperature of between 25°C and 120°C , and after passage of the gases present into a condenser whose temperature is between 0°C and -50°C .

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25. (New) Process according to Claim ¹⁹20, characterized in that the amount of sodium fluoride used during the reaction

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of the alcohol with carbonyl fluoride is between 1.1 and 2 mol per mole of the alcohol.

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26. (New) Process according to Claim ¹⁹26, characterized in that for the reaction of the alcohol with carbonyl fluoride, the solvent is chosen from tert-butyl methyl ether, dioxane, tetrahydrofuran, 2-methyletetrahydrofuran, dibenzyl ether, ethylene glycol dimethyl ether and polyethylene glycol dimethyl ethers.

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27. (New) Process according to Claim ¹⁹27, characterized in that the fluoroformate obtained is purified by treating it with an alkaline fluoride.

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28. (New) Process according to Claim 20, characterized in that 1 to 3% by weight of dimethylformamide is added to the fluoroformate solution.

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29. (New) Process according to Claim ²²29, characterized in that, when it is a solid, the fluoroformate is obtained in crystalline form by adding to the fluoroformate solution a compound which does not dissolve the fluoroformate, chosen from a polar aprotic solvents, after which the fluoroformate is made to precipitate.

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30. (New) Process for preparing carbonyl fluoride, characterized in that phosgene, diphosgene or triphosgene, or a mixture thereof, is reacted with an excess of sodium fluoride powder whose grains have a specific surface of

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greater than or equal to $0.1 \text{ m}^2/\text{g}$ and/or an average diameter of less than or equal to $20 \mu\text{m}$, in a solvent chosen from polar aprotic solvents, at a temperature of between 25°C and 120°C , and the gases present are then passed into a condenser whose temperature is between 0°C and -50°C .

R.126 20.
31. (New) Process according to Claim ²⁹30, characterized in that the grains of sodium fluoride have a specific surface of greater than or equal to $0.1 \text{ m}^2/\text{g}$.

R.126 21.
32. (New) Process according to Claim ²⁹30, characterized in that the grains of sodium fluoride have an average diameter of less than or equal to $20 \mu\text{m}$.

R.126 32.
33. (New) Process according to Claim ²⁹30, characterized in that the amount of sodium fluoride reacted with the phosgene is from 3 to 5 mol per mole of phosgene.

R.126 33.
34. (New) Process according to Claim ²⁹30, characterized in that the phosgene and/or its precursors are introduced gradually.

R.126 34.
35. (New) Process according to Claim ²⁹30, characterized in that the solvent is acetonitrile.

R.126 35.
36. (New) Process according to Claim ²⁹30, characterized in that it is performed with anhydrous compounds and under anhydrous conditions.

R.126 36.
37. (New) Process according to Claim ²⁹30, characterized in that the liquids condensed by the condenser are recycled